

## **TDF02-040 CIBEA (A faculty led Spin-off): Center for Industrial and Building Energy Audits**

**Principal Investigator:** Dr. M. A. Irfan, Mechanical Engineering, UET Peshawar

CIBEA is an HEC funded Technology Development Fund Project which turn out to be a successful faculty led spin-off in UET Peshawar. It has invested in state-of-the-art Energy Audit Equipment. CIBEA helps industries save on their energy bills. CIBEA is led by a US Certified Energy Manager (CEM), with over 10 years of experience in Energy Audits. Our qualified team of MSc Electrical and MSc Thermal Engineers has experience in conducting energy audits in Lahore, KP, and Baluchistan. CIBEA has an expert team of consulting engineers who can conduct industrial and building energy audits, conduct carbon footprint studies for the industry and buildings, advice on reducing energy and carbon footprint, help in ISO 50001 implementation, conduct Building Information Modeling (BIM), design low-cost energy-efficient buildings, conduct EDGE certification of buildings and LEED certification of buildings.



### **Our Objectives are:**

1. Reducing Energy Consumption by Energy Audits.
2. Human Resource Development in Energy Audits.
3. Developing Database of Industrial and Building Energy Consumption.
4. Creating Awareness about Energy Conservation and Energy Efficiency.
5. Reducing Carbon-footprints through energy efficiency and conservation.

Some of our recent projects include, "Industrial Decarbonization Study for Pakistan" funded by World Bank, in Collaboration with OPM and RICARDO, "Energy Assessment of Cogeneration based Gas-fired Captive Power Plants (CPPs)" funded by NEECA, and "Implementation of ISO 50001 in selected industries of KP" funded by UNIDO, in Collaboration with CEMS.